PD30 and PD300F-CU Half Round Pad-Style Snow Guard
Submittal Document Set

ROOF TYPES

- New / Existing Copper Standing Seam / Flat Seam
- New / Existing Metal Batten or Snap
- New / Existing Metal Corrugated / Ribbed
- New / Existing Metal Standing Seam

AVAILABLE MATERIALS

- Aluminum (AL)
- Copper (CU)
- FreedomGray™ (FG)
- Lead Coated Copper (LC)
- Rheinzink® (ZN)

AVAILABLE FINISHES

- Pre-Painted Kynar® Stock Colors

FEATURES/ADVANTAGES

- Pad area is 2 3/8" L x 2 3/8" W (at widest point) x 1 7/16" H
- Strap length is 3 7/16" L
- Can be soldered or through-fastened (recommended) or adhered to roof (using Normount® Double-Sided Adhesive Tape)
- Our riveted "fish head" design means optimum strength with no risk of unfolding
- Ideal size for soldering to copper or zinc panels, or adhered to metal panels
- Allows snow and ice to drop off in small amounts or melt completely
- Protects against snow damage at the lower roof level (gutters, valleys, crickets, roof protrusions, plumbing vents, etc) and at ground level (cars, people, landscaping, pets, walkways, ground-mounted mechanical units)
- Also available with Fleur-de-lis embellishment (SKU: PD300F-CU, Copper only)





Cut Sheet - PD30

1. Installation to be completed in accordance with manufacturer's written specifications and installation instructions.
2. See spec sheet or contact manufacturer for detailed material, finishes, and configuration options.
3. Contact manufacturer for detailed layout.
4. Do not scale drawings.
5. Subject to change without notice.
6. For patent information, visit our Patent Page.

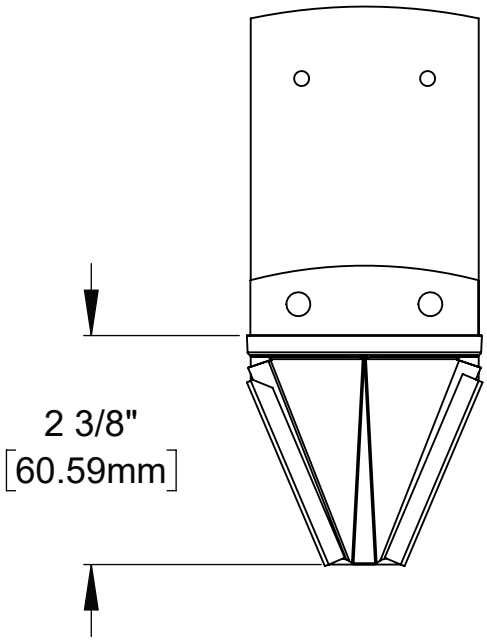
Available Materials

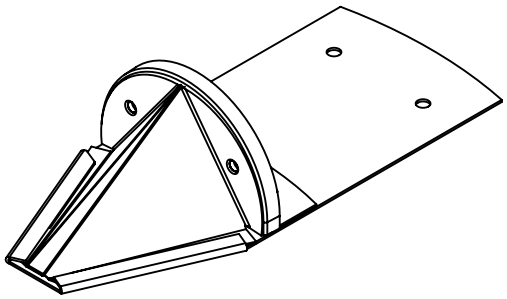
- ☐ Aluminum
- ☐ Copper
- ☐ Freedom Gray™
- ☐ Lead-Coated Copper
- ☐ Rheinzink®

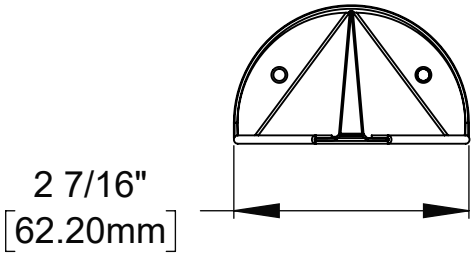
*Some materials may have a 3rd button connecting cap and gusset to strap

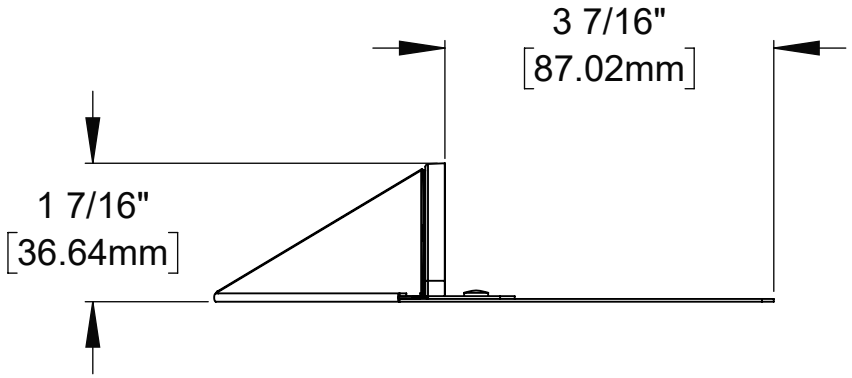
Available Finishes

- ☐ Mill Finish (Standard)
- ☐ Pre-Painted Aluminum
  (Firestone UnaClad Kynar Color:_____)
- ☐ Powder Coated
  (Tiger Drylac RAL#_____)









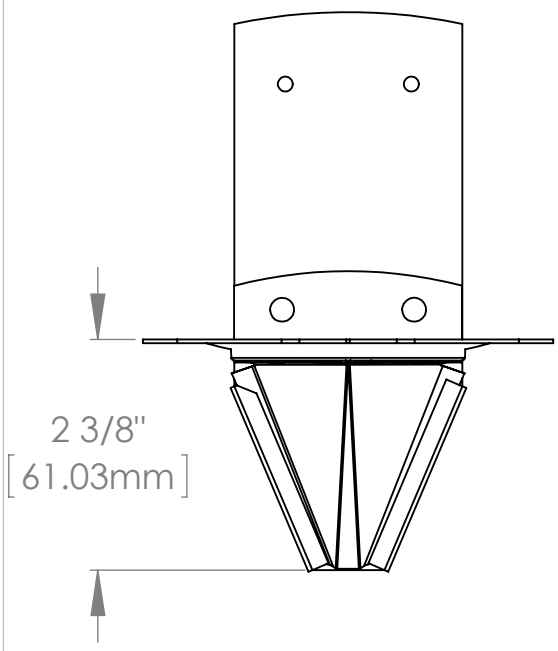
ALPINE SNOWGUARDS®

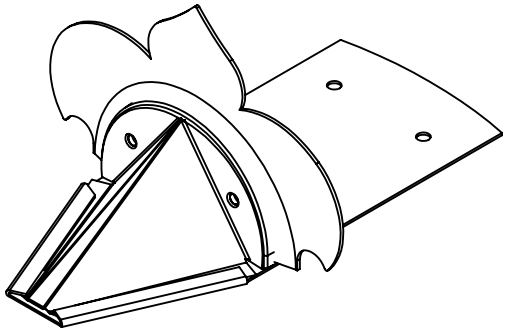
289 Harrel Street
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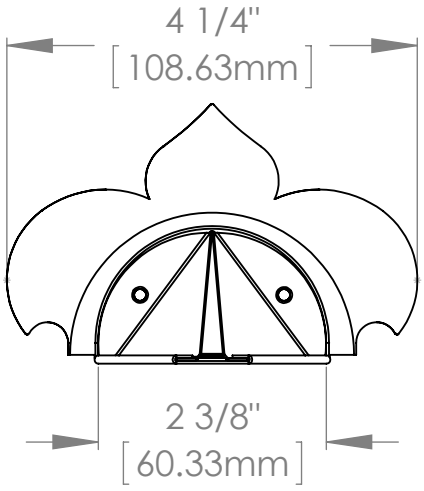
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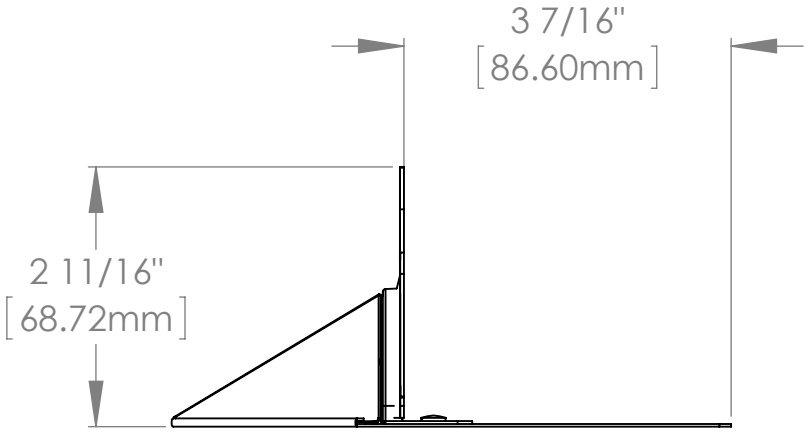
Cut Sheet - PD300F-CU

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3. Contact manufacturer for detailed layout.
4. Do not scale drawings.
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PD30, PD30Z, PD30R, PD300F-CU and PD300FZ-CU Specification Sheet
Snow Guards

Part 1 – GENERAL

1.1 SUMMARY

A. WORK INCLUDES

1. PD30, PD30Z, PD30R, PD300F-CU, and PD300FZ-CU gusseted snow guards attach directly to roof deck.
2. Coordinate with roof installation to assure proper placement of snow guards.
3. Provide appropriate snow guard and fasteners for roof system.

B. RELATED SECTIONS

1. Section 076000: Flashing and Sheet Metal	MasterFormat 2016 07 60 00
2. Section 073100: Shingles and Shakes	MasterFormat 2016 07 31 00
3. Section 073200: Roof Tiles	MasterFormat 2016 07 32 00
4. Section 077253: Snow Guards	MasterFormat 2016 07 72 53

1.2 SYSTEM DESCRIPTION

A. COMPONENTS

1. PD30 and PD300F-CU Snow guard systems consist of individual metal snow guards.
2. PD30Z, PD30R and PD300FZ-CU Snow guard systems consist of individual snow guard with metal sleeve.
3. Fasteners
    a. To be of metal compatible with snow guards.
    b. Fasteners should be selected for compatibility with roof deck.
    c. Fastener strength should exceed or be equal to snow guard system.

B. DESIGN REQUIREMENTS

1. Spacing to be recommended by manufacturer or building engineer.
2. Minimum 2 fasteners per snow guard.
3. It is important to design new structures or assess existing structures to make sure they can withstand retained snow loads.

1.3 SUBMITTAL

A. Submit manufacturer's specifications, standard detail drawings, installation instructions, and recommended layout.

1.4 QUALITY ASSURANCE

A. Installer to be experienced in installation of specified roofing material and snow guards for not less than 5 years in the area of the project.

1.5 DELIVERY / STORAGE / HANDLING

A. Inspect material upon delivery and order replacements for any missing or defective items. Keep material dry, covered and off the ground until installed.

PD30, PD30Z, PD30R, PD300F-CU and PD300FZ-CU Specification Sheet
Snow Guards

Part 2 – PRODUCTS

2.1 MANUFACTURER

A. Alpine SnowGuards®, a Division of Vermont Slate & Copper Services, Inc.
289 Harrel St., Morrisville, VT 05661 | 888-766-4273 | www.alpinesnowguards.com

2.2 MATERIALS

A. Copper – Strap, cap and gusset are 16 oz copper. Fleur-de-lis embellishment is *only* available in copper and has a minimum material thickness of .040
B. Lead-Coated Copper – 16 oz lead-coated copper. (excludes PD30R)
C. Aluminum – .032 aluminum.
D. Freedom Gray™ – 16 oz tin-zinc coated copper. (excludes PD30R)
E. Rheinzink® – .8mm Rheinzink®. (excludes PD30R)

2.3 FINISH (choose one)

A. Mill Finish – standard.
B. Powder Coated – available at additional cost.
(Not available for PD300F-CU and PD300FZ-CU)
C. Kynar 500® pre-painted coil – aluminum only.
(Not available for PD300F-CU and PD300FZ-CU)

Part 3 – EXECUTION

3.1 EXAMINATION

A. SUBSTRATE

1. Inspect structure on which snow guard system is to be installed and verify it will withstand any additional loading it may incur. Notify general contractor of any deficiencies before installing Alpine SnowGuards' products.
2. Verify roofing material has been installed correctly prior to installing snow guards.

3.2 INSTALLATION

A. Comply with architectural drawings and snow guard manufacturer's recommendations for location of system. Comply with manufacturer's written installation instructions for installation and layout.

PD30 and PD300F-CU Snow Guard Installation Instructions

ROOF TYPES

- New / Existing Copper Standing Seam / Flat Seam
- New / Existing Metal Batten or Snap
- New / Existing Metal Corrugated / Ribbed
- New / Existing Metal Standing Seam

INSTALLATION

1. Select the installation method below that best applies to your project.

MECHANICALLY FASTENED

A. Use an appropriate waterproofing sealant under the snow guard.
B. Attach the snow guard using a minimum of 2 fasteners of a material compatible with the snow guard and the roof system.

SOLDERED

Recommended for copper, lead-coated copper, and zinc roofing material.

A. The underside of the snow guard should be tinned.
B. Clean the area on the panel where the snow guard is to be installed.
C. Flux and tin the area.
D. Put the snow guard in place. Heat sufficiently to melt the solder on the snow guard and the panel. Allow to cool. This procedure can be done on the ground before installing panels.

ADHERED*:

Refer to the adhesive manufacturer's published instructions for preparation, installation, and curing periods.

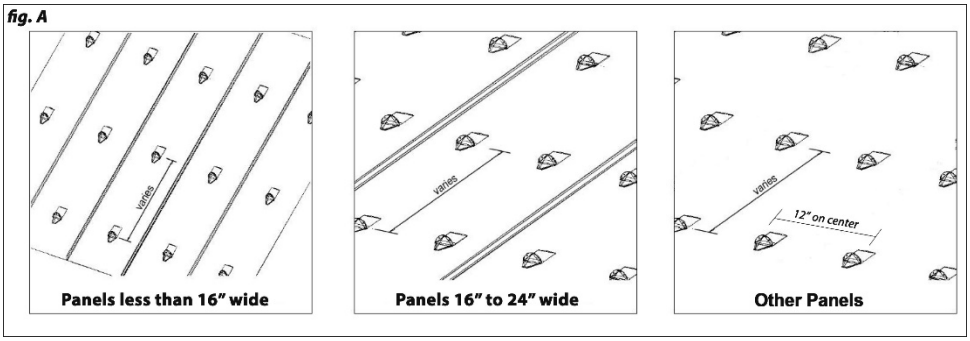
***Note:** Alpine SnowGuards does not warrant or provide layouts for installations using adhesives.*

A. Prepare the roof surface where the snow guard will be placed, as well as the back of the snow guard.
B. Apply adhesive to the back of the snow guard. Alpine SnowGuards sells double-sided tape.
C. Apply to the roof surface.
D. Caulk the entire perimeter of the snow guard with a very thin bead of sealant.

PD30 and PD300F-CU Snow Guard Installation Instructions

STANDARD SNOW GUARD LAYOUT OPTIONS

1. Determine snow guard quantity per panel (fig. A).



2. Snow guard installation should start above the load-bearing wall or at a minimum of 12" from the roof edge.
3. The number of rows needed and the spacing between rows are determined by the distance eave to peak, the roof pitch, and the ground snow load (psf). You can calculate the detailed layout for mechanically fastened and soldered installations by utilizing the Alpine SnowGuards' calculator at www.alpinesnowguards.com/projects.

If you have any questions, please contact us at 888-766-4273.

Document Version 8.22.2022
07 72 53 Snow Guards

Snow Guard Maintenance

Our snow guards must be inspected annually. Any defects or damage in materials and/or workmanship must be reported to Alpine SnowGuards immediately. Seller will not be responsible for snow guard systems that have not been properly maintained.

- Ensure snow guard brackets, accessories & components are intact, have not been displaced, and show no signs of damage or wear.
- Inspect fasteners into roof deck.
- Inspect snow guard-related waterproofing and replace or repair where necessary to ensure roof integrity.
- Snow accumulation on roofs and rooftop solar panels must be removed to avoid damage to the roof or panels, the building structure, and anything below. Heavy snowfalls, drifting, and the gradual accumulation of snow and ice can lead to less-than-ideal snow guard performance.
- Check each clamp set screw with a torque wrench to ensure proper fastening has been maintained (clamp-to-seam models).
- Inspect sealant, tape, and adhesive. Remove and replace as needed.

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UNA-CLAD™ METAL - Pre-Painted Kynar® Stock Colors

For Half-Round Pad Style Snow Guards and SnowMax Color Insert Strips

Double-Sided Stock Colors

Colonial Red (51)

Classic Copper (75)

Charcoal Gray (05)

Slate Gray (03)

Matte Black (69)

Medium Bronze (66)

Mansard Brown (81)

Dark Bronze (57)

Hartford Green (33)

Single-Sided Stock Colors

Terra Cotta (54)

Patina Green (39)

Teal (21)

Brandywine (45)





Other Pad Style Material Options:

Aluminum (AL) Copper (CU) Freedom Gray™ (FG) Lead-Coated Copper (LC) Rheinzink® (ZN)

Mill Finish aluminum pad-style snow guards can also be powder coated with **RAL TIGER Drylac® Exterior Powder Coatings** for an additional charge.